

Quanta Magazine

www.wired.com/tag/quanta-magazine/

www.quantamagazine.org

Lorelei Boschman

Go to www.wired.com/tag/quanta-magazine/ and consider some truly interesting scenarios:

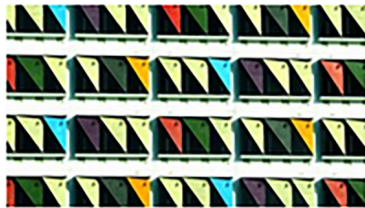
- “The Math of How Crickets, Starlings, and Neurons Sync Up”
- “Is the Universe a Hologram? Maybe! This Math Trick Shows How”
- “Colorado Tried a New Way to Vote: Make People Pay—Quadratically”
- “The Sensible Math of Knocking Over Absurdly Large Dominoes”
- “The Best Way for a Mouse to Escape a Cat, According to Math”
- “A Huge Achievement in Math Shows the Limits of Symmetries”

The article that brought me to this website was “Mathematicians Discover the Perfect Way to Multiply,” by Kevin Hartnett (www.wired.com/story/mathematicians-discover-the-perfect-way-to-multiply/). This article intrigued me. After all our multiplying through the ages, there is now a best way to multiply for very large numbers. The article demonstrates how this works and explains the mathematics behind it. Imagine only $2n$ steps instead of n^2 steps, and think of the neat classroom applications! The article has been reprinted in this issue of *delta-K*.

A search of “math” at www.wired.com/tag/quanta-magazine/ brought up 3,673 interesting and curious math articles. Adding more descriptors will focus your search on one of your particular topics of interest. Many of the articles are linked to science, which could further promote STEM (science, technology, engineering and mathematics) topics.

“Mathematicians Discover the Perfect Way to Multiply” was originally printed in *Quanta Magazine* (www.quantamagazine.org). What a wealth of mathematical ideas! Again, put “math” into the search bar and see what shows up. I can see many of you mathematicians out there enjoying these diverse, interesting and mind-stimulating topics and articles.

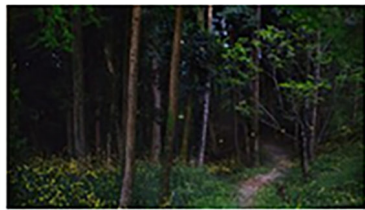
Lorelei Boschman received her bachelor of education and master of education degrees from the University of Lethbridge. She is the education coordinator at Medicine Hat College, facilitating the four-year bachelor of education program (a collaborative degree program with Mount Royal University) and instructing a variety of postsecondary courses with a mathematics focus. Previously, she taught K–8 at a rural school and spent 21 years teaching high school mathematics. Mathematics education is her passion and life work, and she has been involved in many local and provincial initiatives.



DECEMBER 20, 2018 | RHETT ALLAIN

Physics Owes a Lot to a Little-Loved Math Class

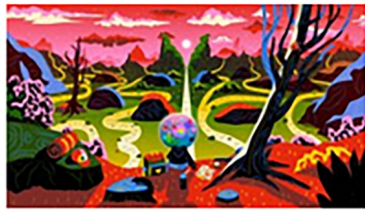
I'm talking about trigonometry, of course: that bastion of angles and triangles that is essential to calculating velocity, momentum, and much more.



APRIL 7, 2019 | NATALIE WOLCHOVER

The Math of How Crickets, Starlings, and Neurons Sync Up

Scientists have discovered new patterns that help explain the synchronized behaviors of pendulum clocks, fireflies, and even the power grid.



MARCH 24, 2019 | JORDANA CEPELEWICZ

The Mysterious Math of How Cells Determine Their Own Fate

During development, cells seem to use statistics to figure out what identities they should take on.



JANUARY 23, 2019 | RHETT ALLAIN

The Sensible Math of Knocking Over Absurdly Large Dominoes

Using a small domino to topple a taller one, you could in theory take down a domino the size of a skyscraper. Here's how it would work.